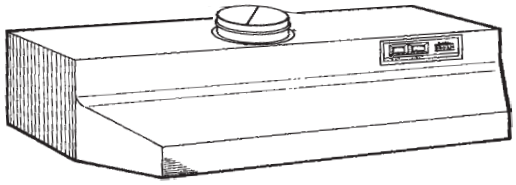
BROAN®

52000 SERIES RANGE HOOD

5” ROUND DISCHARGE



READ AND SAVE THESE INSTRUCTIONS

⚠ INTENDED FOR DOMESTIC COOKING ONLY. ⚠

WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer at the address or telephone number listed in the warranty.
2. Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
3. Installation work and electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturer’s guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
5. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
6. Ducted fans must always be vented to the outdoors.
7. Do not use this range hood with an additional speed control device.
8. To reduce the risk of fire, use only metal ductwork.
9. Use with approved cord-connection kit only.
10. This unit must be grounded.

TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

1. Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.
2. Always turn hood ON when cooking at high heat or when cooking flaming foods.
3. Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
4. Use proper pan size. Always use cookware appropriate for the size of the surface element.

TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING:*

1. SMOTHER FLAMES with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner. BE CAREFUL TO PREVENT BURNS. If the flames do not go out immediately, EVACUATE AND CALL THE FIRE DEPARTMENT.
2. NEVER PICK UP A FLAMING PAN - You may be burned.
3. DO NOT USE WATER, including wet dishcloths or towels - a violent steam explosion will result.
4. Use an extinguisher ONLY if:
   A. You know you have a Class ABC extinguisher and you already know how to operate it.
   B. The fire is small and contained in the area where it started.
   C. The fire department is being called.
   D. You can fight the fire with your back to an exit.

* Based on “Kitchen Fire Safety Tips” published by NFPA.

CAUTION

1. For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
2. To avoid motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc. off power unit.
3. For best capture of cooking impurities, your range hood should be mounted 18-24" above the cooking surface.
4. Please read specification label on product for further information and requirements.

TOOLS AND MATERIALS REQUIRED

- ❏ Drill, electric or ratchet drive
- ❏ 1/8" Drill bit for drilling pilot holes
- ❏ 1-1/4" wood bit for drilling electrical wiring access hole
- ❏ One straight blade and one phillips head screwdriver
- ❏ Pliers
- ❏ Pencil and ruler and/or tape measure
- ❏ Saber saw or keyhole saw for cutting 1" x 2" wood strips to length and cutting wall or cabinet openings
- ❏ Caulking, metal snips, duct tape, duct (with elbows and transition, if necessary) and roof or wall cap, as required
- ❏ Electrical wiring and supplies of type to comply with local codes

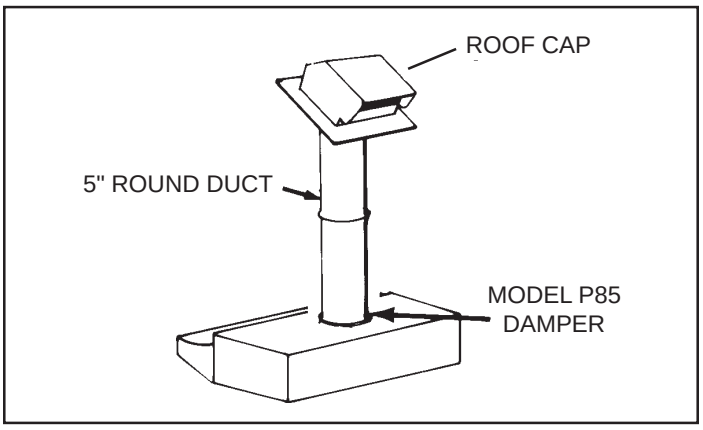
The following materials are required only for installations on recessed bottom kitchen cabinets:

- ❏ Two 1" x 2" x 12" (approximate length) wood strips (purchase locally)
- ❏ Four 1-1/4" long flat head wood screws (purchase locally)

INSTALLER: Leave This Manual With Homeowner.
HOMEOWNER: Use and Care Information on Page 5.

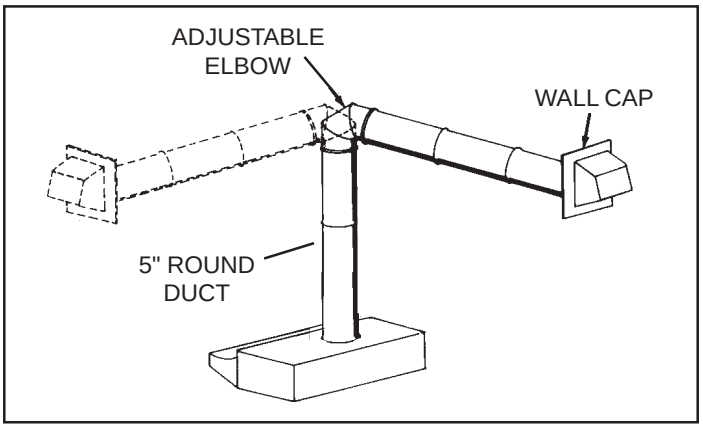
PLANNING DUCTWORK INSTALLATION

Begin planning ductwork by deciding where the duct will run between the range hood and the outside. For best performance, use the shortest possible duct run and a minimum number of



elbows.

Straight up through the roof using 5" round duct (for single story



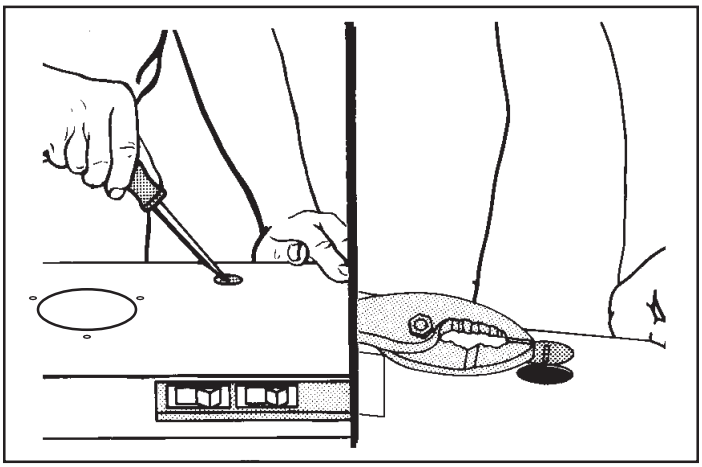
installations only).

Ducting between the ceiling joists (for multi-story installations) or through the soffit space above the cabinets (where the soffit connects to an outside wall).

PREPARE THE HOOD

1. Unpack hood and check contents. You should receive:
   1 -Aluminum Filter

2. Remove wiring box cover. Under cover find:
   1 -Plastic Bag containing loose mounting hardware

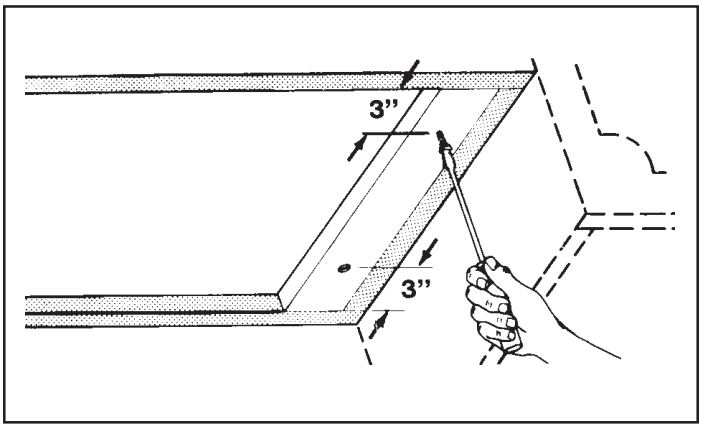


3. Remove top or rear electrical knockout.

4. Install Model P85 damper over opening in top of hood. Use three (3) screws provided with damper.

PREPARE THE INSTALLATION LOCATION

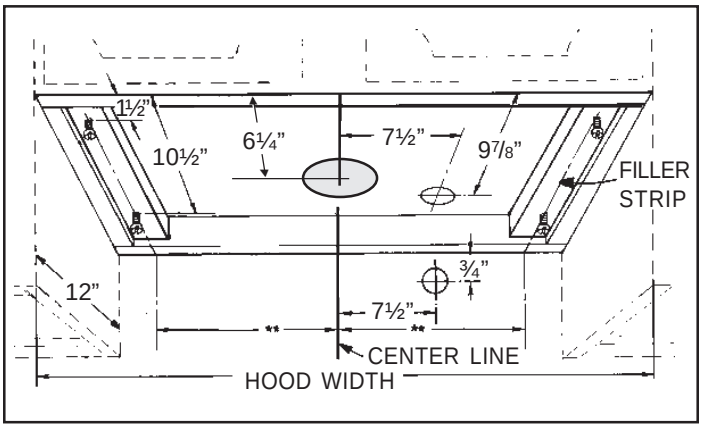
Omit STEP 1 if hood will be installed under cabinets with flush bottom.

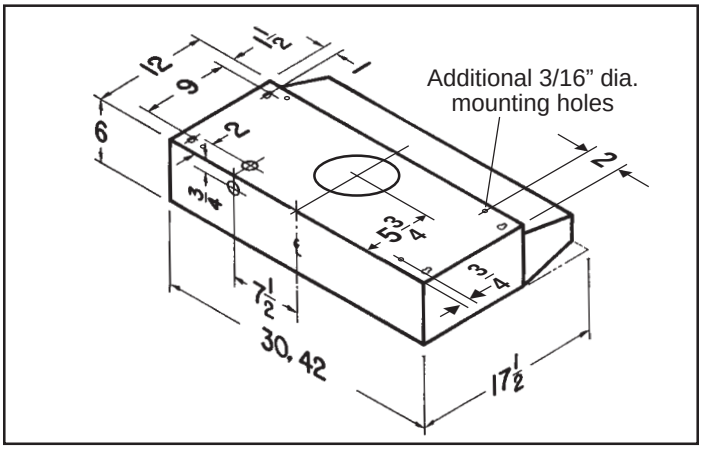


1. (For installation on recessed bottom cabinets only) Attach a wood filler strip at each side of recessed area under cabinet. Use two 1" x 2" strips cut to length. If recess is deeper than 1" use thicker strips. Attach strips with 1-1/4" wood screws, 3" from each end of strip.

   Optional: Attach wood filler strips under front and back of cabinet and use additional 3/16" diameter mounting holes in hood.

PREPARE THE INSTALLATION LOCATION (CONTINUED)



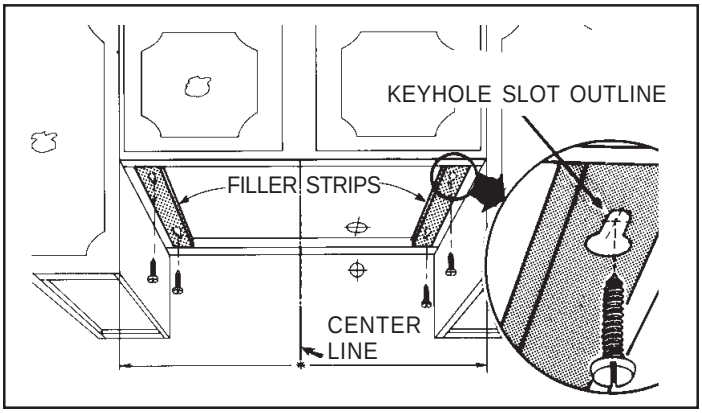


2. Measure and mark the following:
   a.) Electrical wiring opening in wall or cabinet.
   b.) Duct opening in wall or cabinet.

WARNING

WHEN CUTTING OR DRILLING INTO WALL OR CABINET, BE CAREFUL NOT TO CUT EXISTING ELECTRICAL WIRING.

3. Use 1-1/4" bit to drill opening for electric wiring.
4. Cut out duct opening in wall or cabinet with saber saw or keyhole saw.



5. Center hood in installation opening and trace keyhole slots onto wood filler strips on cabinet bottom.
6. Screw four #10 x 7/8 wood screws into exact center of narrow end of traced keyhole slots. Allow 3/8" of screws to project, so that hood can be fitted into place later.

INSTALL THE DUCTWORK

NOTE

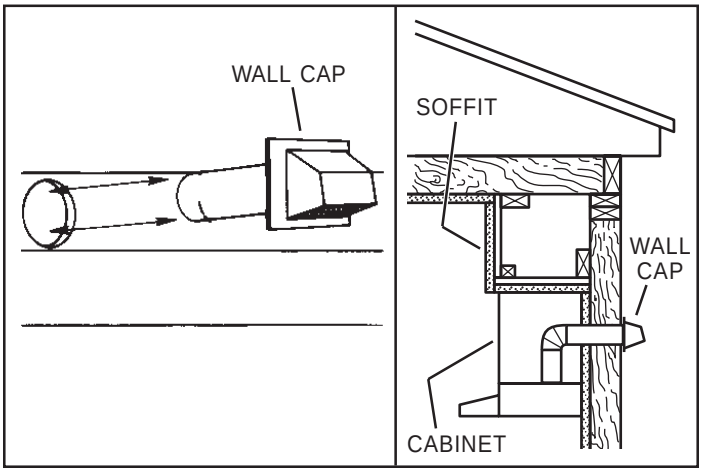
These instructions will follow plans made on Page 2. Start at the exterior and run ductwork back to the range hood.

For best possible performance, use the shortest possible duct run and a minimum number of elbows. Do not vent a range hood into an attic space. A buildup of grease in the attic could become a fire hazard.

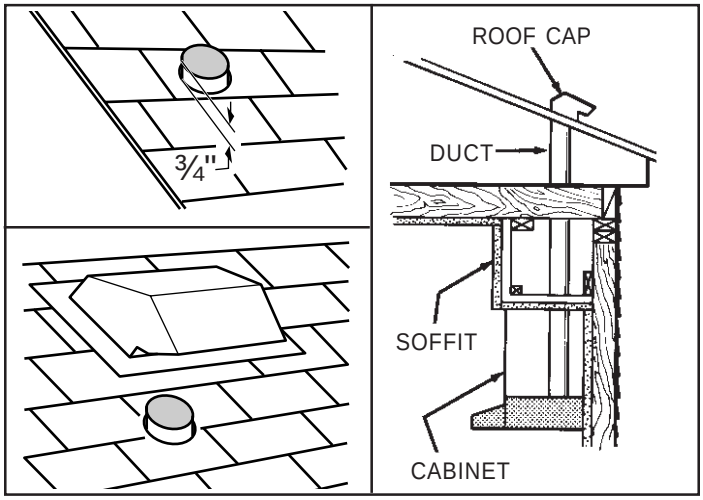
Use only metal ductwork. DO NOT USE PLASTIC DUCT. Assemble duct run securely so that in case of a grease fire on the range, the fire will be contained inside metal ductwork.

Use duct tape to make all duct connections secure and air tight.

1. Follow appropriate directions below for type of duct run you install.



Wall Cap Discharge: Use saber saw or keyhole saw to cut hole slightly larger than duct size used so that duct will line up easily with damper/duct conector on hood. Install casing strips if cap will be installed on siding. Attach required amount of duct to wall cap and run duct back to hood. Fasten cap to wall and caulk well.



Roof Cap Discharge: Cut a hole in roof slightly larger than duct size being used. Run ductwork down to hood location. Leave 3/4" of duct projecting above roof surface on high side. Trim duct parallel to roof pitch and seal all around duct with roof cement.

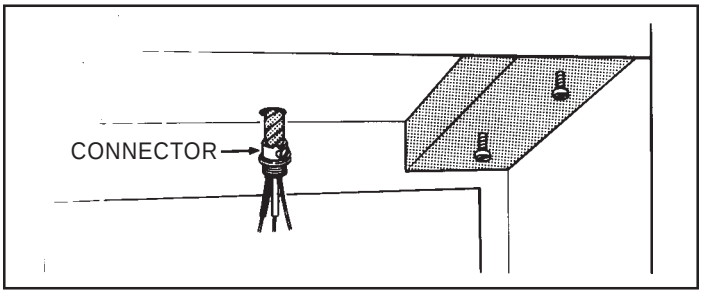
Carefully trim shingles and slide back of roof sheet under shingles. Nail roof sheet to roof under shingles at top two corners and two sides. Nail sheet directly to roof in four places at bottom.

Using roof cement, seal all nail heads and shingles which were cut or lifted. Do not seal bottom edge of roof sheet.

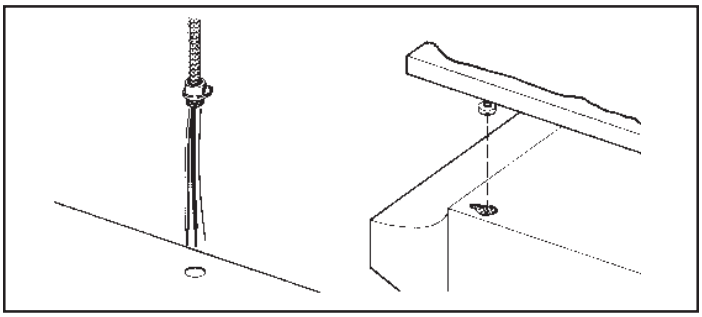
INSTALL RANGE HOOD

WARNING

TURN OFF THE PROPER CIRCUIT AT THE SERVICE ENTRANCE BEFORE WIRING THIS RANGE HOOD.

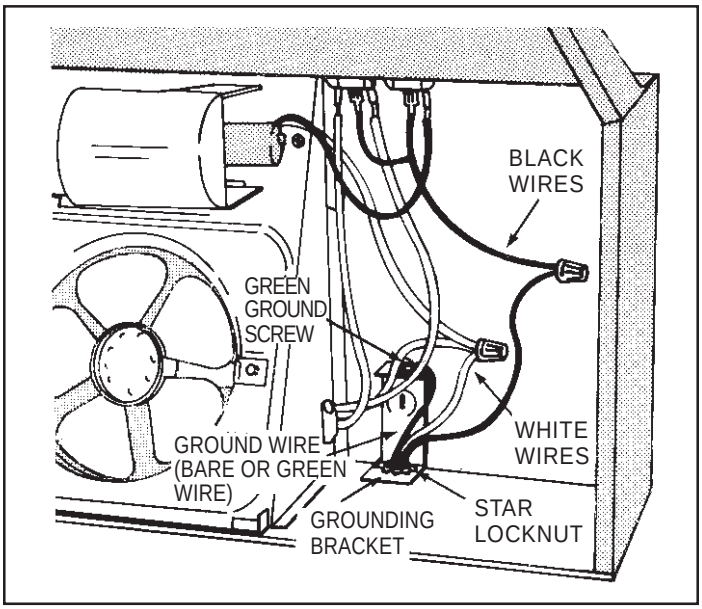


1. Run electric wiring through hole drilled in wall or cabinet. Split wiring for 6" and install proper connector for type of wire used.



2. Position hood so that:
   a.)Wiring is routed through knockout opening
   b.)Large part of keyhole slots fit over hood mounting screws.
   c.)Damper/duct connector slides into ductwork.
3. Adjust hood so that hood front is flush with cabinet frame.
4. Tighten hood mounting screws firmly.
5. Fasten wiring to hood with proper electrical connector for type of wire being used.

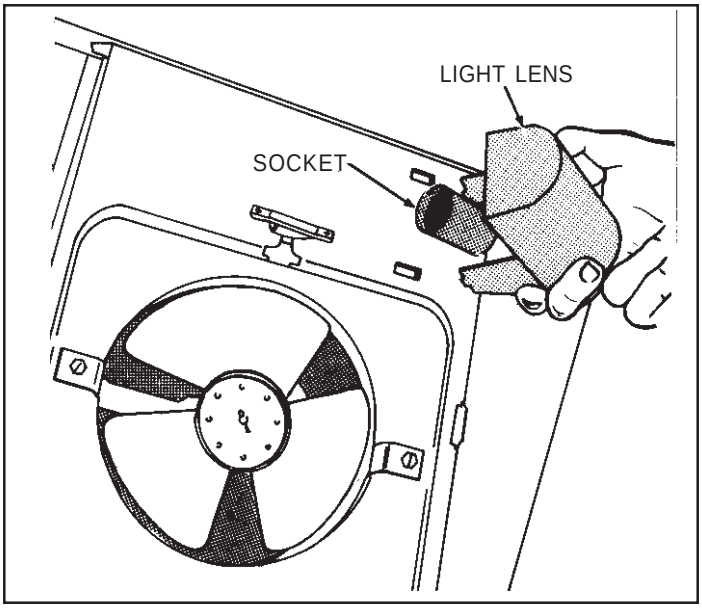
INSTALL RANGE HOOD (CONTINUED)



WARNING

ALL ELECTRICAL CONNECTIONS MUST BE IN ACCORDANCE WITH LOCAL CODES, ORDINANCES, OR NATIONAL ELECTRICAL CODE. IF YOU ARE UNFAMILIAR WITH METHODS OF INSTALLING ELECTRICAL WIRING, SECURE THE SERVICES OF A QUALIFIED ELECTRICIAN.

6. Strip 1/2" of insulation from wires. Connect white to white, black to black, and green to prepared hole with green ground screw provided.
7. Replace wiring box cover and screw. Make sure that all wiring is safely contained inside.

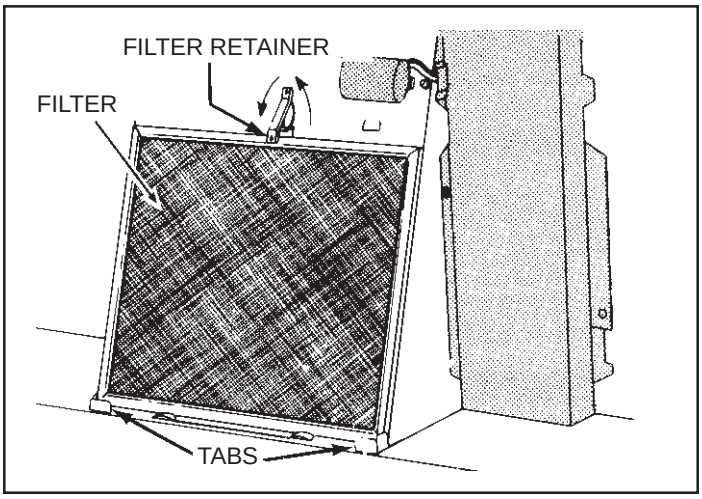


8. Install light (75 Watt maximum). For easier installation, squeeze plastic lens and remove it from hood. Remember to reinstall lens.
9. Turn on power and check operation of fan and light. Make sure that damper operates freely.

USE AND CARE

SWITCHES

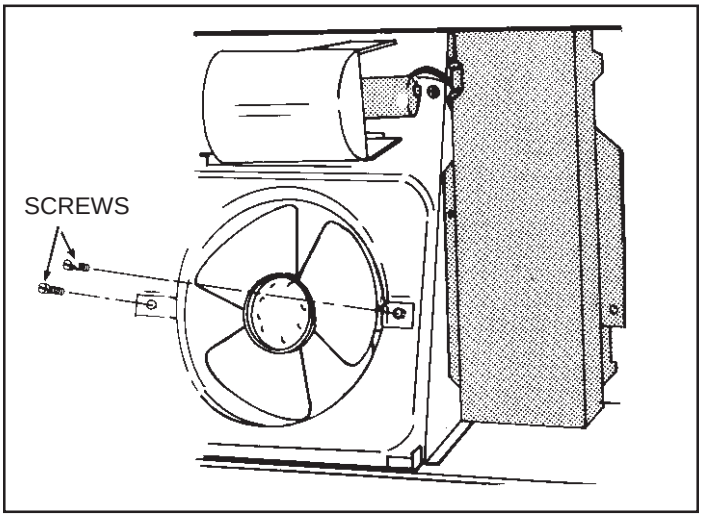
The fan and light are each controlled by a rocker switch. The light switch has two positions, “ON” and “OFF.”The fan switch has three positions - “HIGH,” “LOW” and “OFF.” (“OFF” is the middle position.)



FILTER

Remove aluminum filter by turning filter retainer to one side. Filter should be washed once a month in a hot detergent solution. Aluminum filters are dishwasher safe. When installing filter, make sure that filter slides under retaining tabs on back of fan housing. Turn filter retainer so that arrows on retainer point toward front and back of hood.

WARNING
ALWAYS DISCONNECT ELECTRIC POWER BEFORE SERVICING RANGE HOOD.



FAN ASSEMBLY

Remove filter. Remove two screws holding motor bracket to range hood, and unplug fan assembly. Be careful not to allow fan assembly to drop when screws are removed. (FIG. 14)

USE AND CARE (CONTINUED)

CLEANING

Clean your hood with a mild detergent suitable for painted surfaces. DO NOT USE ABRASIVE CLOTH, STEEL WOOL PADS OR SCOURING POWDERS.

Fan assembly may be vacuumed. Fan assembly is permanently lubricated, and never needs oiling.

HOW TO AVOID A COMMON RANGE-TOP GREASE FIRE

- Your range hood provides a protective barrier between the cooking surface and the cabinets.
- Keep fan, filters and grease laden surfaces CLEAN according to instructions.
- Always turn hood ON when cooking at high heat to keep the cooking area and the hood cooler.
- Use high heat settings only when necessary.
- Never leave cooking surface unattended. Boil-over causes smoking and greasy spillovers that may ignite.
- Always use adequate-sized utensils.
- If preparing flaming foods, such as Cherries Jubilee, always turn hood ON to HIGH to prevent a high heat situation which can cause damage or fire.

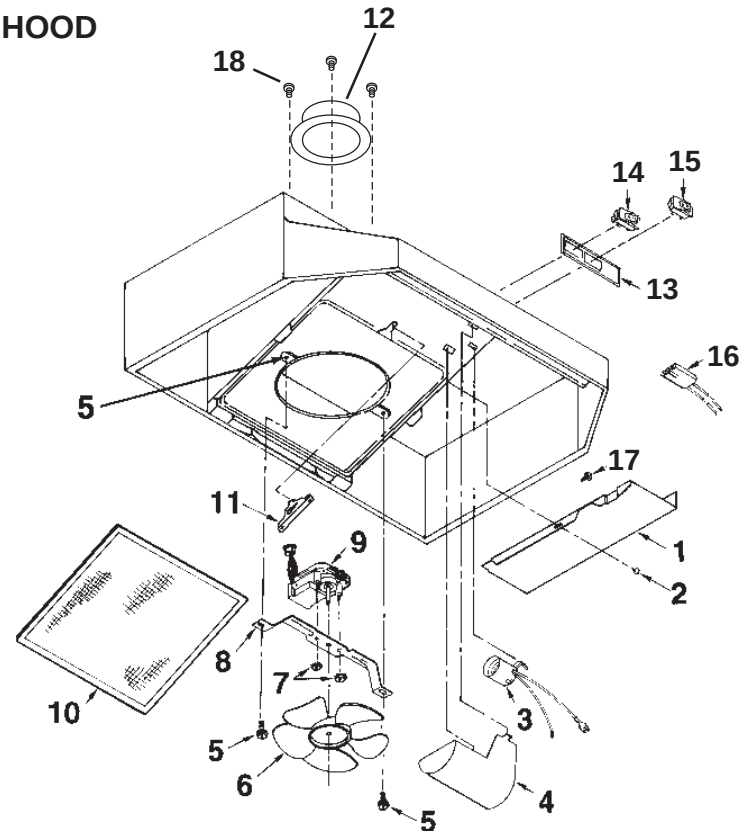
HOW TO EXTINGUISH A COMMON RANGE-TOP GREASE FIRE

- Never pick up a flaming pan. If dropped, flames can spread quickly.
- DO NOT USE WATER! A violent steam explosion may result. Wet dishcloths or towels are also dangerous.
- Smother flames with a close fitting lid, cookie sheet or metal tray.
- Flaming grease can also be extinguished with baking soda or a multi-purpose dry chemical extinguisher.
- Turn off surface units - if you can do so without getting burned.

SERVICE PARTS

52000 SERIES

5" ROUND DUCTED HOOD



KEY NO.	PART NO.	DESCRIPTION
1	98006621	Outlet Box Cover
2	99170245	#8 x 3/8 Sheet Metal Screw*
3	99270987	Bulb Holder with Wires
4	99110437	Light Lens
5	97011217	Screw/Nut Kit (Includes 2 - #10-16 x .500 screws and 2 - #10-16 sheet metal nuts)
6	99020272	Fan Blade
7	99260428	#6-32 Locking Nuts* (2 Required)
8	98005568	Motor Mounting Bracket
9	97014665	Motor Assembly (Includes Key Nos. 6, 7, & 8)
10	97006931	Aluminum Filter
11	99420472	Filter Retainer
12	97014729	Damper Assembly
13	97010709	Nameplate - Black
	99090881	Nameplate - White
14	99030315	2-Speed Motor Switch - Black
	99030316	2-Speed Motor Switch - White
15	99030310	Light Switch - Black
	99030311	Light Switch - White
16	97005678	Motor Receptacle with Wires
17	99150471	#10-32 x 1/2 Green Ground Screw*
18	99150470	#8 x 3/8 Sheet Metal Screw, AB Point*
**	- - - -	Light Bulb, 75 Watt (not included)*

Order service parts by "PART NO." - NOT by "KEY NO."
* Standard Hardware. May be purchased locally.
** Not Illustrated.

WARRANTY

BROAN ONE YEAR LIMITED WARRANTY

Broan warrants to the original consumer purchaser of its products that such products will be free from defects in materials or workmanship for a period of one year from the date of original purchase. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

During this one-year period, Broan will, at its option, repair or replace, without charge, any product or part which is found to be defective under normal use and service.

THIS WARRANTY DOES NOT EXTEND TO FLUORESCENT LAMP STARTERS AND TUBES. This warranty does not cover (a) normal maintenance and service or (b) any products or parts which have been subject to misuse, negligence, accident, improper maintenance or repair (other than by Broan), faulty installation or installation contrary to recommended installation instructions.

The duration of any implied warranty is limited to the one-year period as specified for the express warranty. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

BROAN'S OBLIGATION TO REPAIR OR REPLACE, AT BROAN'S OPTION, SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY. BROAN SHALL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH PRODUCT USE OR PERFORMANCE. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. This warranty supersedes all prior warranties.

To qualify for warranty service, you must (a) notify Broan at the address or telephone number below, (b) give the model number and part identification and (c) describe the nature of any defect in the product or part. At the time of requesting warranty service, you must present evidence of the original purchase date.

Broan-NuTone LLC, 926 West State Street, Hartford, WI 53027 (1-800-637-1453)